

COMBINED DECLARATION AND POWER OF ATTORNEY FOR  
ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL  
DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION

As a below name inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MODIFIED IMMUNOGENIC PNEUMOLYSIN COMPOSITIONS AS VACCINES  
the specification of which

a. ☒ is attached hereto

b. ☐ was filed on \_\_\_\_\_ as application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

PCT FILED APPLICATION ENTERING NATIONAL STATE

c. ☐ was described and claimed in International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended on \_\_\_\_\_ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby specify the following as the correspondence address to which all communications about this application are to be directed:

SEND CORRESPONDENCE TO: MORGAN & FINNEGAN, L.L.P.  
345 Park Avenue  
New York, N.Y. 10154

DIRECT TELEPHONE CALLS TO: KENNETH H. SONNENFELD  
(212) 758-4800

☐ I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) or under § 365(b) of any foreign application(s) for patent or inventor's certificate or under § 365(a) of any PCT international application(s) designating at least one country other than the U.S. listed below and also have identified below such foreign application(s) for patent or inventor's certificate or such PCT international application(s) filed by me on the same subject matter having a filing date within twelve (12) months before that of the application on which priority is claimed:

☐ The attached 35 U.S.C. § 119 claim for priority for the application(s) listed below forms a part of this declaration.

Docket No.: 1758-4036US2

<u>Country/PCT</u>	<u>Application Number</u>	<u>Date of filing (day, month, yr)</u>	<u>Date of Issue (day, month, yr)</u>	<u>Priority Claimed</u>
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO

[X] I hereby claim the benefit under 35 U.S.C. § 119(e) of any U.S. provisional application(s) listed below.

Provisional Application No.

Date of Filing (day, month, yr)

60/053,306

July 21, 1997

60/073,456

February 2, 1998

ADDITIONAL STATEMENTS FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART  
OR PCT INTERNATIONAL APPLICATION(S) (DESIGNATING THE U.S.)

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) or under § 365(c) of any PCT international application(s) designating the U.S. listed below.

<u>US/PCT Application Serial No.</u>	<u>Filing Date</u>	<u>Status (patented, pending, abandoned)/ U.S. application no. assigned (For PCT)</u>
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<u>US/PCT Application Serial No.</u>	<u>Filing Date</u>	<u>Status (patented, pending, abandoned)/ U.S. application no. assigned (For PCT)</u>
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[ ] In this continuation-in-part application, insofar as the subject matter of any of the claims of this application is not disclosed in the above listed prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

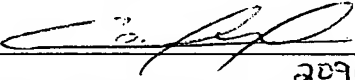
I hereby appoint the following attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith: John A. Diaz (Reg. No. 19,550), John C. Vassil (Reg. No. 19,098), Alfred P. Ewert (Reg. No. 19,887), David H. Pfeffer, P.C. (Reg. No. 19,825), Harry C. Marcus (Reg. No. 22,390), Robert E. Paulson (Reg. No. 21,046), Stephen R. Smith (Reg. No. 22,615), Kurt E. Richter (Reg. No. 24,052), J. Robert Dailey (Reg. No. 27,434), Eugene Moroz (Reg. No. 25,237), John F. Sweeney (Reg. No. 27,471), Arnold I. Rady (Reg. No. 26,601), Christopher A. Hughes (Reg. No. 26,914), William S. Feiler (Reg. No. 26,728), Joseph A.

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Calvaruso (Reg. No. 28,287), James W. Gould (Reg. No. 28,859), Richard C. Komson (Reg. No. 27,913), Israel Blum (Reg. No. 26,710), Bartholomew Verdirame (Reg. No. 28,483), Maria C.H. Lin (reg. No. 29,323), Joseph A. DeGirolamo (Reg. No. 28,595), Michael A. Nicodema (Reg. No. 33,199), Michael P. Dougherty (Reg. No. 32,730), Seth J. Atlas (Reg. No. 32,454), Andrew M. Riddles (Reg. No. 31,657), Bruce D. DeRenzi (Reg. No. 33,676), Michael M. Murray (Reg. No. 32,537) and Mark J. Abate (Reg. No. 32,527) of Morgan & Finnegan, L.L.P. whose address is: 345 Park Avenue, New York, New York, 10154; and Edward A. Pennington (Reg. No. 32,588) of Morgan & Finnegan, L.L.P., whose address is 1775 Eye Street, Suite 400, Washington, D.C. 20006.

☐ I hereby authorize the U.S. attorneys and/or agents named hereinabove to accept and follow instructions from \_\_\_\_\_ as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and/or agents and me. In the event of a change in the person(s) from whom instructions may be taken I will so notify the U.S. attorneys and/or agents hereinabove.

Full name of sole or first inventor CONCEICAO MINETTI

Inventor's signature\* 

23 Sept 98

Residence

3904 Isbell Street, Silver Spring, MD 20906

date

23 Sept 98

Citizenship Brazil

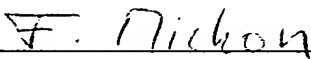
Post Office Address

3904 Isbell Street, Silver Spring, MD 20906

20906

23 Sept 98

Full name of second joint inventor FRANCIS MICHON

Inventor's signature\* 

23 Sept 98

Date

Residence 4401 Rosedale Avenue, Bethesda, MD 20814

Citizenship Canada

Post Office Address 4401 Rosedale, Avenue, Bethesda, MD 20814

☒ ATTACHED IS ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS FORM.

\* Before signing this declaration, each person signing must:

1. Review the declaration and verify the correctness of all information therein; and
2. Review the specification and the claims, including any amendments made to the claims.

After the declaration is signed, the specification and claims are not to be altered.

ADDED PAGE TO COMBINED DECLARATION  
AND POWER OF ATTORNEY FOR  
SIGNATURE BY THIRD AND SUBSEQUENT INVENTOR

Full name of third joint inventor, if any JEFFREY K. PULLEN  
 Inventor's signature *Jeffrey K. Pullen* 14 Oct. 98 date  
 Residence 6928 Garland Lane, Columbia, MD 21045  
 Citizenship United States of America  
 Post Office Address 6928 Garland Lane, Columbia, MD 21045

Full name of fourth joint inventor, if any MARY ELLEN Polivito-Bodnar  
 Inventor's signature *Mary Ellen Polivito-Bodnar* date  
 Residence 621 Rolling Dale Road, Annapolis, MD 21401  
 Citizenship United States of America  
 Post Office Address 621 Rolling Dale Road, Annapolis, MD 21401

Full name of fifth joint inventor, if any SHU-MEI LIANG  
 Inventor's signature *Shu-Mei Liang* 4. Nov. 98 date  
 Residence 2nd Flr., No. 48, Section 2 Academia Sinica Rd  
6627 River Road, Bethesda, MD-20817 Nankang, Taipei-115 Taiwan S.L.  
 Citizenship United States of America  
2nd Flr., No. 48, Section 2 Academia Sinica Rd  
 Post Office Address 6627 River Road, Bethesda, MD-20817 Nankang, Taipei-115 Taiwan S.L.

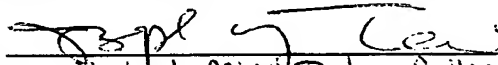
Before signing this declaration, each person signing must:

1. Review the declaration and verify the correctness of all information therein; and
2. Review the specification and the claims, including any amendments made to the claims.

After the declaration is signed, the specification and claims are not to be altered.

ADDED PAGE TO COMBINED DECLARATION  
AND POWER OF ATTORNEY FOR  
SIGNATURE BY THIRD AND SUBSEQUENT INVENTOR

Full name of sixth joint inventor, if any JOSEPH Y. TAI

Inventor's signature\*  10/19/98 date

Residence 1530 Kriebel Mill Rd., Collegeville, PA 19426  
~~1370 Cinnamon Drive, Port Washington, PA 19034~~

Citizenship United States of America

Post Office Address 1530 Kriebel Mill Rd., Collegeville, PA 19426  
~~1370 Cinnamon Drive, Port Washington, PA 19034~~

Full name of seventh joint inventor, if any \_\_\_\_\_

Inventor's signature\* \_\_\_\_\_ date

Residence \_\_\_\_\_

Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Full name of eighth joint inventor, if any \_\_\_\_\_

Inventor's signature\* \_\_\_\_\_ date

Residence \_\_\_\_\_

Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Before signing this declaration, each person signing must:

1. Review the declaration and verify the correctness of all information therein; and
2. Review the specification and the claims, including any amendments made to the claims.

After the declaration is signed, the specification and claims are not to be altered.

To the inventor(s):

The following are cited in or pertinent to the declaration attached to the accompanying application:

Title 37, Code of Federal Regulation, § 1.56

Duty to disclose information material to patentability.

(a) A patent by its very nature is affect with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application,
- and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

Title 35, U.S. Code § 101

Inventions patentable

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Title 35 U.S. Code § 102

Conditions for patentability; novelty and loss of right to patent

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent,
- (b) the invention was patented or described in a printed publication in this or foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States, or
- (c) he has abandoned the invention, or

(d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or

(f) he did not himself invent the subject matter sought to be patented, or

(g) before the applicant's invention thereof the invention was made in this country by another had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other ...

Title 35, U.S. Code § 103

Conditions for patentability; non-obvious subject matter

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

Title 35, U.S. Code § 112 (in part)

Specification

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise and exact terms also enable any person skilled in the art to which it pertains, or with which it is mostly nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Title 35, U.S. Code § 119

Benefit of earlier filing date in foreign country; right of priority

An application for patent for an invention filed in this country by any person who has, or whose legal representatives or assigns have, previously regularly filed an application for a patent for the same invention in a foreign country which affords similar privileges in the case of applications filed in the United States or to citizens of the United States, shall have the same effect as the same application would have if filed in this country on the date on which the application for patent for the same invention was first filed in such foreign country, if the application in this country is filed within twelve months from the earliest date on which such foreign application was filed; but no patent shall be granted on any application for patent for an invention which had been patented or described in a printed publication in any country more than one year before the date of the actual filing of the application in this country, or which had been in public use or on sale in this country more than one year prior to such filing.

Title 35, U.S. Code § 120

Benefit or earlier filing date in the United States

An application for patent for an invention disclosed in the manner provided by the first paragraph of section 112 of this title in an application previously filed in the United States, or as provided by section 363 of this title, which is filed by an inventor or inventors named in the previously filed application shall have the same effect, as to such invention, as though filed on the date of the prior application, if filed before the patenting or abandonment of or termination of proceedings on the first application or an application similarly entitled to the benefit of the filing date of the first application and if it contains or is amended to contain a specific reference to the earlier filed application.

Please read carefully before signing the Declaration attached to the accompanying Application.

If you have any questions, please contact Morgan & Finnegan, L.L.P.

FORM:COMB-DEC.NY  
Rev. 5/21/98



**ASSIGNMENT OF APPLICATION FOR PATENT**

**WHEREAS:**

CONCEICAO MINETTI – 14 Kathryn Street, Clark, New Jersey 07066, U.S.A.

FRANCIS MICHON – 4401 Rosedale Avenue, Bethesda, Maryland 20814, U.S.A.

JEFFREY K. PULLEN – 6928 Garland Lane, Columbia, Maryland 21045, U.S.A.

MARY ELLEN POLVINO-BODNAR – 621 Rolling Dale Road, Annapolis, Maryland 21401, U.S.A.

SHU-MEI LIANG – 2<sup>nd</sup> Floor, No. 48, Section 2 Academia Sinica Road, Nankang, Taipei – 115 Taiwan

JOSEPH Y. TAI – 1635 Limekiln Pike, Dresher, Pennsylvania 19025-1041 U.S.A.

(full name(s) and post office address(s) of inventor(s) (including country))

(hereinafter referred to as ASSIGNOR(S)), has made a discovery or invention entitled:

MODIFIED IMMUNOGENIC PNEUMOLYSIN COMPOSITIONS AS VACCINES

(title of discovery or invention)

☐ for which application for Letters Patent of the United States has been executed on even date herewith,

☒ for which application for Letters Patent of the United States has been filed on July 21, 1998, under Serial No. 09/120,044, and

**WHEREAS:**

NORTH AMERICAN VACCINE, INC. – 10150 OLD COLUMBIA ROAD, COLUMBIA, MARYLAND 21046  
(name and address of assignee)

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:**

Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$ 1.00 ), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called up to do so by the ASSIGNEE, its successors, legal representatives, or assigns sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discover in all countries, and without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Assignor's signature: \_\_\_\_\_

Conceicao  
First Name

Middle initial

Minetti  
Last name

Citizenship: Brazil

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 10th day of January, 2000.

STATE OF New Jersey  
COUNTY OF Monmouth

On this 10th day of January, 2000, before me, the undersigned authority, personally appeared to me

CONCEICAO MINETTI

known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

Patricia L. Deitsch  
Notary Public

PATRICIA L. DEITSCH

NOTARY PUBLIC OF NEW JERSEY  
My Commission Exp. May 21, 2002

Assignor's signature: \_\_\_\_\_

Francis  
First Name

Jean  
Middle initial

Michon  
Last name

Citizenship: Canada

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 05 day of November, 1999.

STATE OF MD )

ss.:

COUNTY OF Howard

On this 5 day of November, 1999, before me, the undersigned authority, personally appeared  
FRANCIS MICHON

to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

Virginia Ann McCready  
Notary Public

VIRGINIA ANN MCCREADY  
NOTARY PUBLIC STATE  
OF MARYLAND  
My Commission Expires  
May 1, 2000

Assignor's signature: \_\_\_\_\_

Jeffrey  
First Name

K.  
Middle initial

Pullen  
Last name

Citizenship: United States of America

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this \_\_\_\_\_ day of November, 1999.

STATE OF \_\_\_\_\_ )

ss.:

COUNTY OF \_\_\_\_\_ )

On this 5 day of November, 1999, before me, the undersigned authority, personally appeared  
JEFFREY K. PULLEN

to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

\_\_\_\_\_  
Notary Public

Assignor's signature: \_\_\_\_\_  
                                 Francis                                Michon  
                                 First Name                                Middle initial                                Last name

Citizenship: Canada

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this \_\_\_\_\_ day of November, 1999.

STATE OF                    )  
                                       ss.:  
 COUNTY OF                )

On this \_\_\_\_\_ day of November, 1999, before me, the undersigned authority, personally appeared  
   FRANCIS MICHON  
 to me known and known to me to be the individual who is described in and who executed the foregoing Assignment,  
 and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and  
 purposed therein specified.

\_\_\_\_\_  
 Notary Public

Assignor's signature: \_\_\_\_\_  
                                 Jeffrey                                K.                                Pullen                                Nov. 24, 1999  
                                 First Name                                Middle initial                                Last name

Citizenship: United States of America

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this \_\_\_\_\_ day of November, 1999.

STATE OF                    )  
                                       ss.:  
 COUNTY OF                )

On this \_\_\_\_\_ day of November, 1999, before me, the undersigned authority, personally appeared  
   JEFFREY K. PULLEN  
 to me known and known to me to be the individual who is described in and who executed the foregoing Assignment,  
 and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and  
 purposed therein specified.

\_\_\_\_\_  
 Notary Public

Assignor's signature: \_\_\_\_\_

Mary  
First Name

Ellen  
Middle initial

Polvino-Bodnar  
Last name

12/8/99

Citizenship: United States of America

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this \_\_\_\_\_ day of November, 1999.

STATE OF )  
ss.:  
COUNTY OF )

On this \_\_\_\_\_ day of November, 1999, before me, the undersigned authority, personally appeared to me  
MARY ELLEN POLVINO-BODNAR  
known and known to me to be the individual who is described in and who executed the foregoing Assignment, and  
who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and  
purposed therein specified.

\_\_\_\_\_  
Notary Public

Assignor's signature: \_\_\_\_\_

Shu-Mei  
First Name

Middle initial

Liang  
Last name

Citizenship: United States of America

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this \_\_\_\_\_ day of November, 1999.

STATE OF )  
ss.:  
COUNTY OF )

On this \_\_\_\_\_ day of November, 1999, before me, the undersigned authority, personally appeared  
SHU-MEI LIANG  
to me known and known to me to be the individual who is described in and who executed the foregoing Assignment,  
and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and  
purposed therein specified.

\_\_\_\_\_  
Notary Public

**Polvino-Bodnar**  
Last name

Assignor's signature: \_\_\_\_\_

Joseph  
First Name

Y.  
Middle initial

Tai  
Last name

Citizenship: United States of America

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 19<sup>th</sup> day of November, 1999.

STATE OF )  
ss.:  
COUNTY OF )

On this \_\_\_\_\_ day of November, 1999, before me, the undersigned authority, personally appeared

JOSEPH Y. TAI

to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

\_\_\_\_\_  
Notary Public

FORM: ASSIGN. PAT  
Rev. 07/29/99